

PCNA Mouse Monoclonal Antibody(12D10)

Catalog	TDY044C	TDY044F
Quantity	50 μ L	100 μ L

Tel: 010-82908854
Free: 400-0620-621
Web: www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	H, R, M	29KD	IgG1

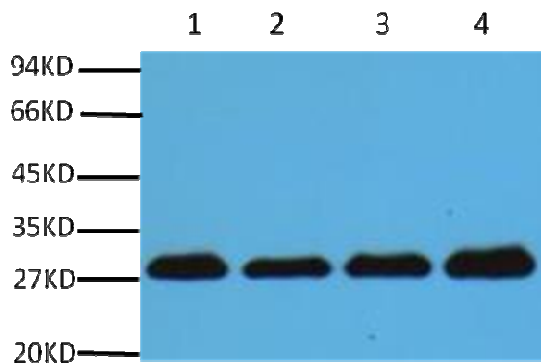
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

Recommended dilutions: WB: 1:5,000 IHC: 1:200

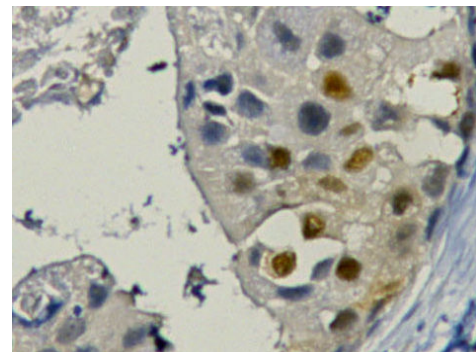
Optimal dilutions should be determined by the end user.

Specificity: Antibody can detects endogenous PCNA protein.

Background: PCNA is a marker for cells in early G1 phase and S phase of the cell cycle. It is found in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for PCNA. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.



Western blot analysis of HeLa (1), Rat brain (2), NIH 3T3 (3), 293T(4) with PCNA mouse mAb(12D10) diluted at 1:5000.



IHC staining of Human breast cancer tissue paraffin-embedded with PCNA mouse mAb (12D10) diluted at 1:200